```
=> d his

        (FILE 'HOME' ENTERED AT 10:50:03 ON 18 NOV 2002)

        FILE 'HCAPLUS' ENTERED AT 10:50:11 ON 18 NOV 2002
L1          88 S THOM S?/AU
L2         436 S BAXTER A?/AU
L3          21 S KINDON N?/AU
L4          20 S SPRINGTHORPE B?/AU
L5          23 S MCINALLY T?/AU
L6           1 S L1 AND L2 AND L3 AND L4 AND L5
             SELECT RN L6 1

        FILE 'REGISTRY' ENTERED AT 10:52:00 ON 18 NOV 2002
L7         200 S E1-200
L8          69 S E201-269
L9         269 S L7-8
L10         46 S L9 AND NC5/ES AND NRS>3

        FILE 'HCAPLUS' ENTERED AT 10:53:36 ON 18 NOV 2002
L11          1 S L10

        FILE 'LREGISTRY' ENTERED AT 10:53:48 ON 18 NOV 2002
L12            STR
L13          0 S L12

        FILE 'REGISTRY' ENTERED AT 11:13:13 ON 18 NOV 2002
L14          2 S L12
L15            STR L12
L16     292208 S 46.156.1/RID AND 46.150.18/RID AND NRS>2 NOT PMS/CI
L17            STR L15
L18         48 S L17 SSS SAM SUB=L16
L19            STR L17
L20         29 S L19 SSS SAM SUB=L16
L21      17228 S L19 SSS FUE SUB=L16
             SAVE L21 TEMP PAT215P/A

        FILE 'HCAPLUS' ENTERED AT 11:31:14 ON 18 NOV 2002
L22       2975 S L21
L23       2974 S L22 NOT L11
L24         42 S L23 AND CYTOKINE
L25       1065 S L22(L)(THU OR DMA OR PAC OR PKT)/RL
             E CHEMOKINE/CT
             E CYTOKIN/CT
             E CYTOKINE RECEPTORS+ALL/CT
L26      26867 S CYTOKINE RECEPTORS+OLD,NT/CT
L27     152612 S CYTOKINES+NT/CT
L28          1 S L25(L)L26-27
L29         79 S L25 AND L26-27
L30         30 S L25 AND CHEMOKIN?
L31         79 S L29 OR L30
L32         78 S L31 NOT L11
L33          4 S L32 NOT PATENT/DT
L34          2 S L33 AND PD<19990804
L35         74 S L32 AND PATENT/DT
L36         41 S L35 AND PRD<19990804

        FILE 'STNGUIDE' ENTERED AT 11:44:29 ON 18 NOV 2002

        FILE 'HCAPLUS' ENTERED AT 11:47:25 ON 18 NOV 2002
```

Handwritten annotations:

- 1 cite — appl. priority doc — inventor search
- 269 cpds total
- 46 cpds have [N] & ring systems>3
- L46 cpds are only in applicant's priority doc.
- 17,228 cpds fit STR
- 2,975 cites
- prd = priority date of doc.
- in order to cut down on the # of citations, I required the cpd to be therapeutically linked to cytokines/chemokines; then sorted by priority date

appl. date of patent

```
L37          30 S L35 AND AD<19990804
L38          44 S L37 OR L36
```
44 patents total

```
      FILE 'CASREACT' ENTERED AT 11:55:02 ON 18 NOV 2002
L39          STR L19
L40          2 S L39
L41          197 S L39 FUL
```
197 cites for cas react
```
      SAVE TEMP L41 PAT215RCT/A
L42          1 S L41 AND CYTOKINE
L43          1 S L41 AND CHEMOKINE
L44          2 S L42 OR L43
```
2 cites related to
```
L45          29 S L41 AND INHIBITOR
L46          28 S L45 NOT L44
```
28 cites related to cpds as an inhibitor

```
      FILE 'HCAPLUS' ENTERED AT 12:08:16 ON 18 NOV 2002
L47          1 S L10 AND L6
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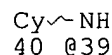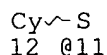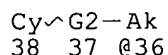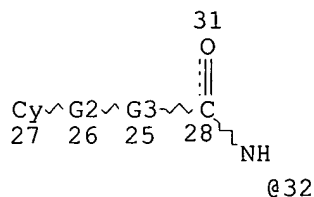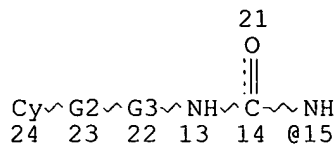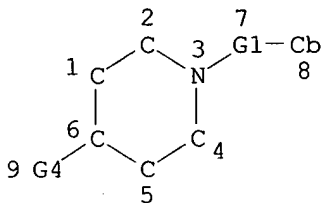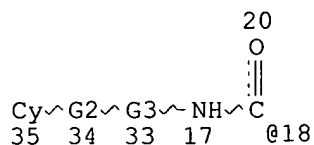*priority doc of appl.*

STK for HCAPLUS

L16   292208 SEA FILE=REGISTRY ABB=ON   PLU=ON   46.156.1/RID AND 46.150.18/RI
                 D AND NRS>2 NOT PMS/CI
L19   STR

```
              20                    2    7                        21
              O                    C   G1—Cb                      O
              ‖                 1 C   N  8                         ‖
Cy⌒G2⌒G3⌒NH⌒C                      C                   Cy⌒G2⌒G3⌒NH⌒C⌒NH
35  34  33  17  @18             6 C   C 4                24  23  22  13 14  @15
                                9 G4   C
                                      5


              31
              O                   Cy⌒G2—Ak        Cy⌒S          Cy⌒NH
              ‖                   38  37 @36       12 @11        40 @39
Cy⌒G2⌒G3⌒⌒C
27  26  25  28 ⌐NH
              @32
```

REP G1=(1-4) CH2
REP G2=(0-1) Q
REP G3=(0-6) CH2
VAR G4=18/15/32/36/39/11/CY
NODE ATTRIBUTES:
CONNECT IS E2   RC AT   1
CONNECT IS E2   RC AT   2
CONNECT IS E2   RC AT   4
CONNECT IS E2   RC AT . 5
CONNECT IS E2   RC AT   36
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY   UNS   AT   8
GGCAT   IS LIN   SAT   AT   36
DEFAULT ECLEVEL IS LIMITED
ECOUNT   IS E6 C   AT   8
ECOUNT   IS X6 C   AT   36

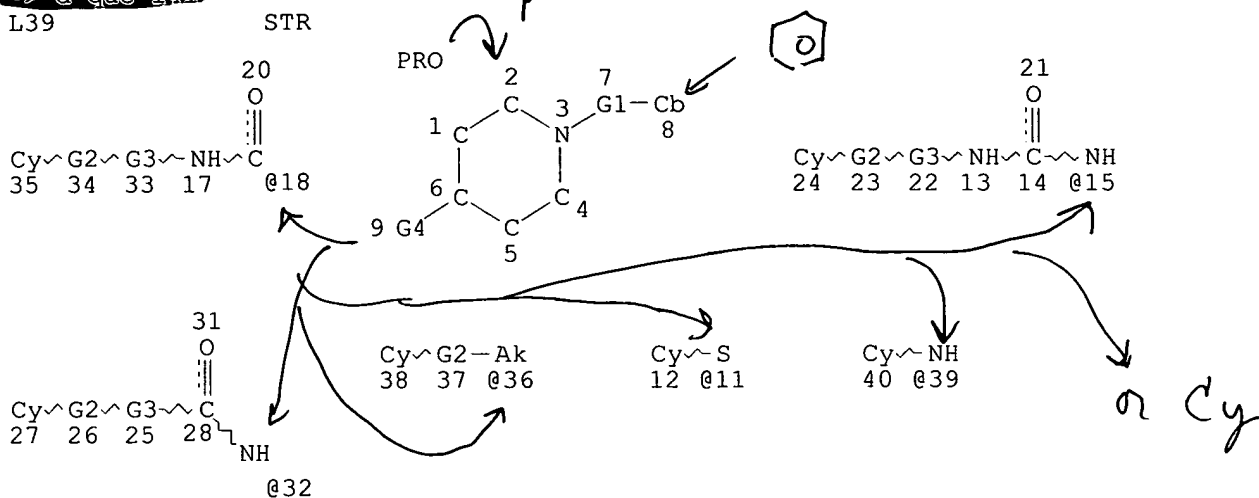GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   35

STEREO ATTRIBUTES: NONE
L21   12228 SEA FILE=REGISTRY SUB=L16 SSS FUL L19
L22   2975 SEA FILE=HCAPLUS ABB=ON   PLU=ON L21

STR for cas react

product

=> d que 141

L39   STR

PRO

Cy~G2~G3~NH~C @18
35 34 33 17

20
O
||
C

1 C
2 C
3 N
7 G1—Cb
8
6 C
4 C
5 C
9 G4

21
O
||
C

Cy~G2~G3~NH~C~NH @15
24 23 22 13 14

31
O
||
Cy~G2~G3~~C
27 26 25 28
NH
@32

Cy~G2—Ak
38 37 @36

Cy~S
12 @11

Cy~NH
40 @39

or Cy

REP G1=(1-4) CH2
REP G2=(0-1) Q
REP G3=(0-6) CH2
VAR G4=18/15/32/36/39/11/CY
NODE ATTRIBUTES:
CONNECT IS E2   RC AT   1
CONNECT IS E2   RC AT   2
CONNECT IS E2   RC AT   4
CONNECT IS E2   RC AT   5
CONNECT IS E2   RC AT   36
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY UNS AT   8
GGCAT   IS LIN SAT AT   36
DEFAULT ECLEVEL IS LIMITED
ECOUNT   IS E6 C AT   8
ECOUNT   IS X6 C AT   36

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE
L41   197 SEA FILE=CASREACT SSS FUL L39 (1555 REACTIONS)